

**Revenue earned by International Airports authority of India**

4022. SHRI ATAL BIHARI  
VAJPAYEE:  
SHRI SHANKERSINH  
VAGHELA:

Will the Minister of CIVIL AVIATION AND TOURISM be pleased to state:

(a) the percentage of revenue earned by International Airports Authority of India by its shopping arcades;

(b) how does it compare with that of the Changi airport of Singapore;

(c) whether any plan has been prepared to increase the foreign exchange earnings of the International Airports Authority of India by upgrading its shopping arcades; and

(d) if so, the details thereof?

THE MINISTER OF CIVIL AVIATION AND TOURISM (SHRI MADHAVRAO CINDIA): (a) and (b). 1.8% of the revenue of International Airports Authority in 1990-91. The corresponding figure for Changi Airport is likely to be higher.

(c) and (d). ITDC has been entrusted with the task of upgradation of the shopping arcades at Bombay and Delhi airports to increase foreign exchange earnings for the country.

**Use of Alcohol in Non-Conventional Energy Sources**

4023. SHRI RAM PUJAN PATEL: Will the Minister of POWER AND NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether any research has been made to find out any possibility of use of alcohol in

any form in non-conventional energy sources;

(b) if so, the details thereof;

(c) whether the alcohol product molasses are being wasted in large amount in sugar mills; and

(d) if so, the reasons for not utilising it in non-conventional energy sources?

THE MINISTER OF STATE OF THE MINISTRY OF POWER AND NON-CONVENTIONAL ENERGY SOURCES (SHRI KALP NATH RAI): (a) and (b). Yes, Sir. Use of alcohols to partially replace diesel oil has been demonstrated by the R&D projects of the Department of Non-Conventional Energy Sources. During 1988-90, Ten buses of the Delhi Transport Corporation (DTC) were operated 6.43 lakh kilometer using methanol to achieve 12-15 percent diesel replacement. This was followed up by use of ethanol where in 25 DTC buses were run 15.82 lakh km. on dual-fuel mode achieving about 14% diesel replacement. One major advantage of both these projects was about 33 percent reduction in smoke emission.

(c) No, Sir.

(d) Does not arise.

**Bangalore as International Airport**

4024. SHRI OSCAR FERNANDES:  
SHRI K.H. MUNIYAPPA:  
SHRI V. KRISHNA RAO:  
SHRI G. MADE GOWDA:

Will the Minister of CIVIL AVIATION AND TOURISM be pleased to state:

(a) whether there is any proposal to develop the Bangalore airport into an International airport;